

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION TO THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF S.B. MD 3 AND MD 175 IN ANNE ARUNDEL COUNTY. MD 3 IS ASSUMED TO RUN IN A NORTH- SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA THREE-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH A PHASE FOR SOUTHBOUND MD 3 AND THE MD 175 APPROACHES OPERATING CONCURRENTLY. THIS OPERATION WILL NOT CHANGE.

PROJECT CONSTRUCTION

WORK WILL CONSIST OF THE INSTALLATION OF INTERCONNECT CABLE AND THE INSTALLATION OF HANDHOLES AND CONDUIT.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY	DESCRIPTION
LS	MAINTENANCE OF TRAFFIC
80 LF	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
120 LF	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED
2 EA	FURNISH AND INSTALL HANDHOLE
800 LF	REMOVE AND RE-INSTALL EXISTING CABLE
900 LF	FURNISH AND INSTALL 12 PAIR VOICE GRADE INTERCONNECT CABLE

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

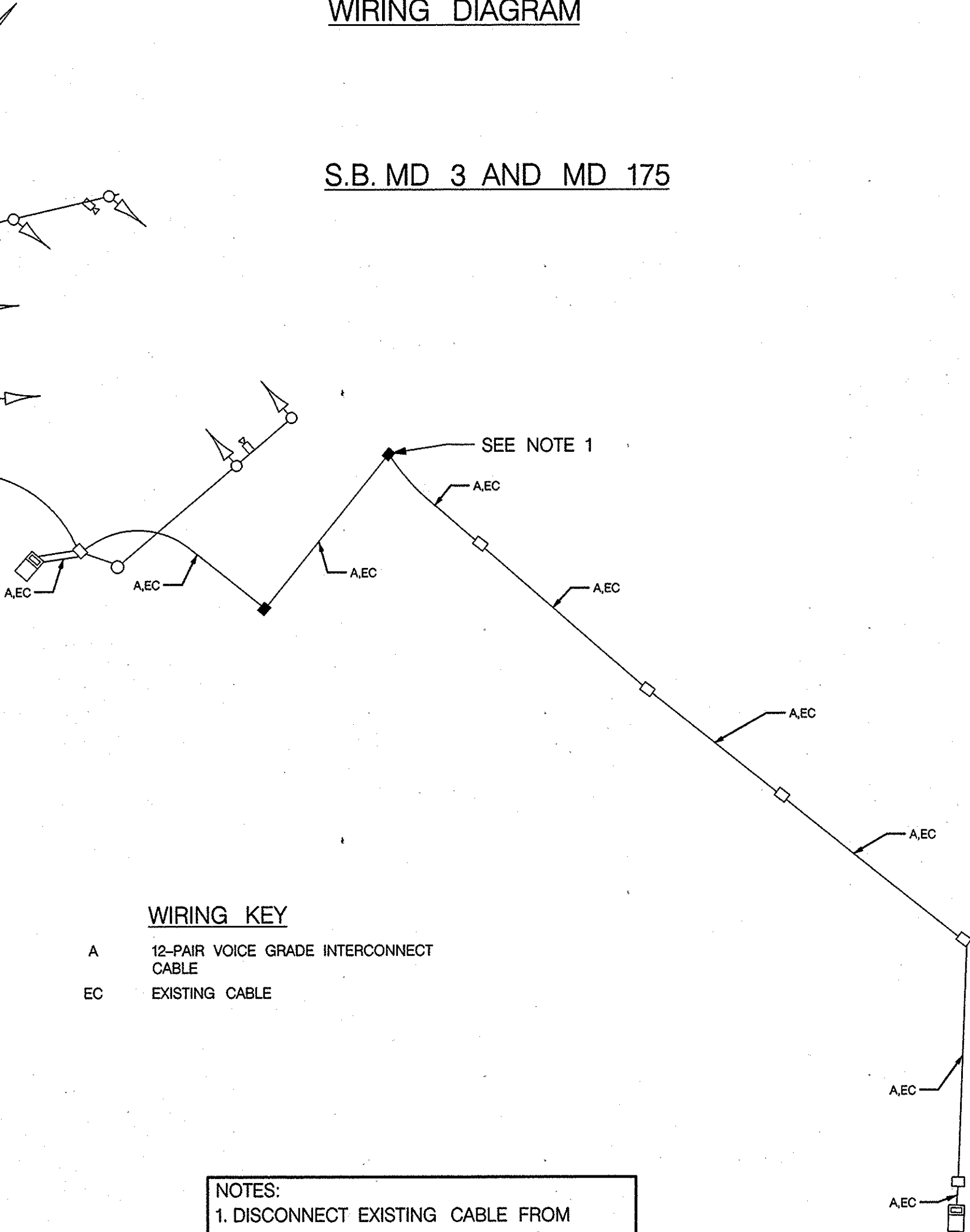
MRS. KIM TRAN ASSISTANT DISTRICT ENGINEER - TRAFFIC (410) 841-1003	MR. ANDRE FUTRELL ASSISTANT DISTRICT ENGINEER - MAINTENANCE (410) 841-1002
MR. JOHN MAYS ASSISTANT DISTRICT ENGINEER - UTILITIES (410) 841-1005	

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR. CHIEF, TRAFFIC OPERATIONS (410) 787-7630	MR. EUGENE BAILEY TEAM LEADER SIGN OPERATIONS (410) 787-7676
MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS (410) 787-7631	MS. DARLENE EIDE SUPPLY OFFICE SIGNAL SHOP WAREHOUSE (410) 787-7668
MR. ED RODENHIZER TEAM LEADER SIGNAL OPERATIONS (410) 787-7652	

WIRING DIAGRAM

S.B. MD 3 AND MD 175



WIRING KEY

A	12-PAIR VOICE GRADE INTERCONNECT CABLE
EC	EXISTING CABLE

NOTES:  
1. DISCONNECT EXISTING CABLE FROM THE CONTROLLER AND PULL BACK TO THIS POINT. INSTALL IT THROUGH THE NEW CONDUIT TO THE CONTROLLER.  
2. REMOVE ALL UNUSED CABLE.

N.B. MD 3 AND MD 175

PHASE CHART

	1	2	3	4	5	6	7	8	9
PHASE 2 & 6	R	R	G	G	R	R	G	G	R
2 & 6 CHANGE	R	R	Y	Y	R	R	Y	Y	R
PHASE 4 & 8	R	R	R	R	R	R	R	R	R
4 & 8 CHANGE	R	R	R	R	R	R	R	R	R
FLASHING OPERATION	FLR	FLR	FLY	FLY	FLR	FLR	FLY	FLY	FLR

SHA

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION PLAN  
SOUTHBOUND MD 3 AND MD 175

TRAFFIC CONCEPTS INC.

325 Gambrills Road  
Suite E  
Gambrills, MD 21054  
(410) 923-7101  
FAX (410) 923-6473  
EMAIL TRAFFIC.CONCEPTS@COMCAST.NET

SCALE	NONE	DATE	8-22-07	CONTRACT NO.	BW996M82
DESIGNED BY	T. ZAYDEL	COUNTY	ANNE ARUNDEL		
DRAWN BY	T. ZAYDEL	LOGMILE	02000365.65		
CHECKED BY	K. SCHMID	T.I.M.S. NO.	1552		
F.A.P. NO.	NA	TOD NO.			
DRAWING NO.	TS-179K GI	SHEET NO.	2	OF	2